

the provisions of DMO-VII-4, as amended.

§321.4 Achieving production readiness.

(a) In order to achieve a capability for maximum production of “urgent” items during the initial phase of war, the following readiness measures shall be taken where advisable for facilities producing such items:

(1) Establishment of emergency production schedules.

(2) Development of a production capability which would function under widespread disruption and damage imposed by enemy attack, including, where necessary:

(i) Maintenance of an increased inventory of finished components and related production supplies at assembly plants, or arrangements for alternative supply lines where increased inventories are not feasible.

(ii) A capability to carry on urgent production without dependence on additional personnel, external sources of power, fuel, and water, or on long-distance communications; with spare replacements for highly vulnerable or unreliable parts of production equipment.

(iii) Protection of production facilities from enemy sabotage through adequate physical security measures.

(iv) Protection of personnel from widespread radiological fallout through provisions for decontamination and shelter.

§321.5 Retention of industrial facilities.

(a) Industrial properties, owned by the Department of Defense, the Department of Energy, and the Maritime Administration, shall be retained in the Industrial reserves (National Industrial Reserve, Departmental Industrial Reserve for the Department of Defense) of the department and agencies to the extent the capacity of said reserves is necessary for the production of defense or defense-supporting end items, materials or components in a mobilization period.

(b) Each idle plant in the reserves shall be reviewed annually by the heads of the respective agencies to determine if the capacity of the plant

continues necessary for mobilization purposes.

(c) Upon the determination by the head of the agency that the capacity of a plant is excess to the mobilization requirements of the agency immediate steps will be taken to dispose of the plant through existing government channels for surplus disposal. The Federal Emergency Management Agency shall be informed by General Services Administration of each proposed surplus action prior to final determination.

§321.6 Participation of small business.

The agencies concerned with the order shall, in all of their programs for maintaining the mobilization base, be mindful of the national policy to protect the interests of small business, and to assure the maximum participation of small business in the mobilization base, including current procurement.

§321.7 [Reserved]

§321.8 Reports.

The Department of Defense, Department of Energy, and Maritime Administration shall furnish the Director of the Federal Emergency Management Agency with reports on items and facilities for programs under §321.2 (a) and (b) of this part, and with such other periodic and special reports as he may require affecting the maintenance of the mobilization base.

PART 323—GUIDANCE ON PRIORITY USE OF RESOURCES IN IMMEDIATE POST ATTACK PERIOD (DMO-4)

Sec.

323.1 Purpose.

323.2 General policy.

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323.4 Priority activities in immediate post-attack period.

323.5 Assignment of resources.

APPENDIX 1 TO PART 323—LIST OF ESSENTIAL SURVIVAL ITEMS

AUTHORITY: National Security Act of 1947, as amended, 50 U.S.C. 404; Defense Production Act of 1950, as amended, 50 U.S.C. app. 2061 *et seq.*; Reorganization Plan No. 3 of 1978, 3 CFR, 1978 Comp., p. 329; E.O. 12148 of July 20, 1979, 44 FR 43239.

§ 323.1

SOURCE: 45 FR 44579, July 1, 1980, unless otherwise noted.

§ 323.1 Purpose.

This part:

(a) States the policy of the Federal Government on use of resources in the period immediately following a nuclear attack on the United States;

(b) Provides general guidance for Federal, State, and local government officials on activities to be accorded priority in the use of postattack resources; and

(c) Lists those items essential to national survival in the immediate postattack period.

§ 323.2 General policy.

(a) In an immediate postattack period all decisions regarding the use of resources will be directed to the objective of national survival and recovery. In order to achieve this objective, postattack resources will be assigned to activities concerned with the maintenance and saving of lives, immediate military defense and retaliatory operations, economic activities essential to continued survival and recovery.

(b) This guidance is designed to achieve a degree of national equity in the use of resources and to assign and conserve resources effectively in the immediate postattack period. Until more specific instructions are available, these are the general guidelines within which managerial judgment and common sense must be used to achieve national objectives under widely differing emergency conditions.

§ 323.3 Responsibilities.

(a) As stated in The National Plan for Emergency Preparedness, the direction of resources mobilization is a Federal responsibility. However, in the period immediately following an attack, certain geographical areas may be temporarily isolated, and State and local governments will assume responsibility for the use of resources remaining in such areas until effective Federal authority can be restored. State and local governments will not assume responsibility for resources under the jurisdiction of a Federal agency where the Federal agency is able to function.

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(b) As soon as possible after an attack and until specific national direction and guidance on the use of resources is provided, Federal, State, and local officials will determine what resources are available, to what needs they can be applied, how they are to be used, and the extent to which resources are deficient or in excess of survival needs. They will base determinations as to the relative urgency for use of resources primarily upon the importance of specific needs of defense, survival, and recovery.

§ 323.4 Priority activities in immediate postattack period.

The following activities are to be accorded priority over all other claims for resources. There is no significance in the order of the listing—all are important. The order in which and the extent to which they are supported locally may vary with local conditions and circumstances. If local conditions necessitate the establishment of an order of priority among these activities, that order shall be based on determinations of relative urgency among the activities listed, the availability of resources for achieving the actions required, and the feasibility and timeliness of the activities in making the most rapid and effective contribution to national survival.

(a) The immediate defense and retaliatory combat operations of the Armed Forces of the United States and its Allies: This includes support of military personnel and the production and distribution of military and atomic weapons, materials and equipment required to carry out these immediate defense and retaliatory combat operations.

(b) Maintenance or reestablishment of Government authority and control to restore and preserve order and to assure direction of emergency operations essential for the safety and protection of the people. This includes:

- (1) Police protection and movement direction;
- (2) Fire defense, rescue and debris clearance;
- (3) Warnings;
- (4) Emergency information and instructions;
- (5) Radiological detection, monitoring and decontamination.

(c) Production and distribution of survival items and provision of services essential to continued survival and rapid recovery. (For list of survival items, see appendix 1 to this part.) These include:

- (1) Expedient shelter;
 - (2) Food, including necessary processing and storage;
 - (3) Feeding, clothing, lodging, and other welfare services;
 - (4) Emergency housing and community services;
 - (5) Emergency health services, including medical care, public health and sanitation;
 - (6) Water, fuel, and power supply;
 - (7) Emergency repair and restoration of damaged vital facilities.
- (d) Essential communications and transportation services needed to carry out the above activities.
- (e) Provision of supplies, equipment, and repair parts to produce and distribute goods needed for the above activities.

§ 323.5 Assignment of resources.

Resources required for essential uses, including manpower, will be assigned to meet the emergency requirements of the priority activities indicated above. The principal objectives are to use available resources to serve essential needs promptly and effectively, and to:

- (a) Protect and to prevent waste or dissipation of resources prior to their assignment to priority activities;
- (b) Support production of essential goods. Other production will be permitted to continue only from inventories on hand and when there is no emergency requirement for the resources vital to this production.
- (c) Support construction for emergency repair and restoration, construction of facilities needed for survival, or the conversion of facilities to survival use, where this can be accomplished quickly. Other construction already under way should be stopped, and no new construction started unless it can be used immediately for essential purposes upon completion.

APPENDIX 1 TO PART 323—LIST OF ESSENTIAL SURVIVAL ITEMS

This document contains a list of items considered essential to sustain life at a produc-

tive level to assure national survival in an emergency. The list identifies items to which major attention should be given in all phases of preattack planning to insure the availability of basic essentials for a productive economy in the event of a nuclear attack. Supply-requirements studies and assessments for these items will be made to disclose critical deficiencies or other problems that can be anticipated. Revisions will be made as necessary to keep the items as up-to-date as possible.

The items are arranged by seven major groups:

- (1) Health Supplies and Equipment,
- (2) Food,
- (3) Body Protection and Household Operations,
- (4) Electric Power and Fuels,
- (5) Sanitation and Water Supply,
- (6) Emergency Housing and Construction Materials and Equipment, and
- (7) General Use Items.

Survival items are defined as "those items without which large segments of the population would die or have their health so seriously impaired as to render them both burdensome and non-productive." The items have been classified into Group A or Group B, with Group A representing end products consumed or used directly by the population, and Group B consisting of those items essential to the effective production and utilization of the Group A items, which are consumed or used directly by the people.

There are no Group B items in the categories of Health Supplies and Equipment, Body Production and Household Operations, and Emergency Housing and Construction Materials and Equipment. All of these items are considered to be consumed directly and any attempt to separate them in to A and B groupings would be too arbitrary to be meaningful.

It is important to keep in mind the fact that while the items listed are the basic essentials necessary for maintaining a viable economy during the first six months following an attack, not all of them would create problems that would require government action preattack to insure adequate supplies. The aforementioned supply-requirements studies will be undertaken to identify the problem areas. In developing supply data, all available production capacity, existing inventories, and possible substitutions will be considered. For example, in analyzing clothing items, all available supplies would be considered from sport to dress shirts, from overalls to dress suits. However, new production would be limited to the simplest form of the basic item which can be produced. The final determination as to which of the items are most critical and which may require preattack actions by the Government, as well as the type of actions which must be

taken, can be made only after a comprehensive supply-requirements analysis is completed.

LIST OF ESSENTIAL SURVIVAL ITEMS

I. HEALTH SUPPLIES AND EQUIPMENT

Group A

1. *Pharmaceuticals:*

Alcohol.
Analgesics, non-narcotic.
Antibiotics and antibacterials.
Antidiabetic agents, oral.
Antihistamines.
Antimalarials.
Atropine.
Blood derivatives.
Carbon dioxide absorbent.
Cardiovascular depressants.
Cardiovascular stimulants.
Corticosteriods.
Diuretics.
General anesthetics.
Hypnotics.
Insulin.
Intravenous solutions for replacement therapy.
Local anesthetics.
Lubricant, surgical.
Morphine and substitutes.
Oral electrolytes.
Oxygen.
Surgical antiseptics.
Sulfa drugs.
Synthetic plasma volume expanders.
Vitamin preparations, pediatric.
Water for injection.

2. *Blood Collecting and Dispensing Supplies:*

Blood collecting and dispensing containers.
Blood donor sets.
Blood grouping and typing sera.
Blood recipient sets.
Blood shipping containers.

3. *Biologicals:*

Diphtheria toxoid.
Diphtheria antitoxin.
Diphtheria and tetanus toxoids and pertussis vaccine.
Gas gangrene antitoxin.
Poliomyelitis vaccine, oral.
Rabies vaccine.
Smallpox vaccine.
Tetanus antitoxin.
Tetanus toxoid, absorbed.
Typhoid vaccine.
Typhus vaccine, epidemic.
Yellow fever vaccine.

4. *Surgical Textiles:*

Adhesive plaster.
Bandage, gauze.
Bandage, muslin.
Bandage, plaster of paris.
Cotton, USP.
Surgical pads.
Stockinette, surgical.

Wadding, cotton sheet.

5. *Emergency Surgical Instruments and Supplies:*

Airway, pharyngeal.
Anesthesia apparatus.
Basin, wash, solution.
Blade, surgical knife.
Brush, scrub, surgical.
Catheter, urethral.
Containers for sterilization.
Chisel, bone.
Drain, Penrose.
Dusting powder.
Forceps, dressing.
Forceps, hemostatic.
Forceps, obstetrical.
Forceps, tissue.
Gloves, surgeon's.
Handles, surgical knife.
Holder, suture needle.
Inhaler, anesthesia, Yankauer (ether mask).
Intravenous injection sets.
Knife, cast cutting.
Lamps, for diagnostic instruments.
Lamps, for surgical lights.
Laryngoscope.
Light, surgical, portable.
Litter.
Mallet, bone surgery.
Needles, hypodermic, reusable.
Needles, suture, eyed.
Otoscope and ophthalmoscope set.
Probe, general operating.
Razor and blades (for surgical preparation).
Retractor, rib.
Retractor set, general operating.
Rongeur, bone.
Saw, amputating.
Saw, bone cutting, wire (Gigli).
Scissors, bandage.
Scissors, general surgical.
Sigmoidoscope.
Speculum, vaginal.
Sphygmomanometer.
Splint, leg, Thomas.
Splint, wire, ladder.
Sterilizer, pressure, portable.
Stethoscope.
Sutures, absorbable.
Sutures, absorbable, with attached needle.
Sutures, nonabsorbable.
Sutures, nonabsorbable, with attached needle.
Syringes, Luer, reusable (hypodermic syringes).
Thermometers, clinical.
Tracheotomy tube.
Tube, nasogastric.
Tubing, rubber or plastic, and connectors.
Vascular prostheses.
Webbing, textile, with buckle.

6. *Laboratory Equipment and Supplies:*

Bacteriological culture media and apparatus.
Balance, laboratory with weights.
Blood and urine analysis instruments, equipment and supplies.

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Chemical reagents, stains and apparatus.
Glassware cleaning equipment.
Laboratory glassware.
Microscope and slides.
Water purification apparatus.

Group B

None.

II. FOOD

Group A

1. *Milk group.* Milk in all forms, milk products. Important for calcium, riboflavin, protein, and other nutrients.

2. *Meat and meat alternate group.* Meat, poultry, fish, eggs; also dry beans, peas, nuts. Important for protein, iron, and B-vitamins.

3. *Vegetable-fruit group.* Including 1. Dark Green and yellow vegetables. Important for Vitamin A. 2. Citrus fruit or other fruit or vegetables. Important for Vitamin C. 3. Other fruits and vegetables, including potatoes.

4. *Grain products.* Especially enriched, restored, cereal and cereal products, and bread, flours, and meals. Important for energy, protein, iron, and B-vitamins.

5. *Fats and oils.* Including butter, margarine, lard, and other shortening oils. Important for palatability and food energy; some for Vitamin A and essential fatty acids.

6. *Sugars and syrups.* Important for palatability and food energy.

7. *Food adjuncts.* Certain food adjuncts should be provided to make effective use of available foods. These include antioxidants and other food preservatives, yeast, baking powder, salt, soda, seasonings and other condiments. In addition, coffee, tea, and cocoa are important for morale support.

Group B

Food containers.
Nitrogenous fertilizers.
Seed and livestock feed.
Salt for livestock.

Veterinary Medical Items:

Anthrax vaccine.
Black leg vaccine.
Hog cholera vaccine.
Newcastle vaccine.

III. BODY PROTECTION AND HOUSEHOLD OPERATIONS

Group A

1. *Clothing:*

Gloves and mittens.
Headwear.
Hosiery.
Outerwear.
Shoes and other footwear.
Underwear.
Waterproof outer garments.

2. *Personal Hygiene Items:*

Diapers, all types.
Disposable tissues.
First aid items (included on Health Supplies and Equipment List).
Nipples.
Nursing bottles, all types.
Pins.
Sanitary napkins.
Soaps, detergents, and disinfectants.
Toilet tissue.

3. *Household Equipment:*

Bedding.
Canned heat.
Cots.
Hand sewing equipment.
Heating and cooking stoves.
Incandescent hand portable lighting equipment (including flashlights, lamps, batteries).
Kitchen, cooking, and eating utensils.
Lamps (incandescent medium base) and lamp holders.
Matches.
Nonelectric lighting equipment.
Sleeping bags.

Group B

None.

IV. ELECTRIC POWER AND FUELS

1. *Electric Power.*

Group A

Electricity.

Group B

Conductors (copper and/or aluminum), including bare cable for high voltage lines and insulated wire or cable for lower voltage distribution circuits.
Switches and circuit breakers.
Insulators.
Pole line hardware.
Poles and crossarms.
Transformers (distribution, transmission, and mobile).
Tools for live-circuit operations, including rubber protective equipment, and linemen's tools.
Utility repair trucks, fully equipped.
Prime mover generator sets up to 501 kilowatts and 2400 volts, including portable and mobile sets up to 150 kilowatts and 110/220/440 volts, 3-phase, 60-cycle complete with fuel tank and switchgear in self-contained units.

2. *Petroleum Products.*

Group A

Gasoline.
Kerosene.
Distillate fuel oil.
Residual fuel oil.
Liquefied petroleum oil.

Lubricating oil.
Grease.

Group B

Storage tanks.
Pumps for loading and unloading.
Pressure containers and fittings for liquefied petroleum gas.
3. *Gas.*

Group A

Natural gas.
Manufactured gas.

Group B

Various sizes of pipe (mostly steel).
Various sizes of valves, fittings, and pressure regulators.
Specialized repair trucks and equipment.
4. *Solid Fuels.*

Group A

Coal and coke.

Group B

Conveyor belting.
Insulated trail cables.
Trolley feeder wire.
Roof bolts.

V. SANITATION AND WATER SUPPLY

Group A

1. *Water.*
2. *Water Supply Materials:*
 - a. *Coagulation:*
Ferric chloride.
Ferrous sulfate.
Ferric sulfate.
Chlorinated copperas.
Filter alum.
Hydrated lime.
Pulverized limestone.
Soda ash.
 - b. *Disinfection Chemicals:*
High-test hypochlorites (70 percent) in drums, cans, ampules.
Iodine tablets.
Liquid chlorine, including containers.
Chlorine compounds (not gas).
 - c. *Miscellaneous Materials:*
Diatomaceous earth.
Activated carbon.
3. *Chemical Biological, and Radiological CBR Detection, Protection, and Decontamination Items:*
Calibrators.
Chemical agent detection kits, air, food, and water.
Dosimeters and chargers.
Protective masks, clothing, helmets.
Survey meters (Alpha, Beta, Gamma).
Warning signs—biological, chemical, and radiological contamination.
4. *Insect and Rodent Control Items:*

a. *Insecticides:*

DDT, water dispersible powder (75 percent).
Lindane powder, dusting (1 percent).
Malathion, liquid, emulsifiable concentrate (57 percent).
Deet (diethyltoluamide) 75 percent in denatured alcohol.
Pyrethrum.

b. *Rodenticides:*

Anticoagulant type, ready-mixed bait.
“1080” (sodium monofluoroacetate) (for controlled use only).

5. *General Sanitation:*

Lye.

Group B

1. *General Supplies and Equipment:*

Chemical feeders.
Mobile and portable pressure filters.
Chlorinators (gas and hypochlorites).
Pumps and appurtenances, Hand—Electric—Gasoline—Diesel.
Well-drilling equipment, including well casing, drive pipe and drive points.

2. *Storage and Transport Equipment:*

Lyster bags.
Storage tanks, collapsible and portable.
Storage tanks, rigid, transportable.
Storage tanks, wood stave, knock-down.

3. *Laboratory Equipment and Supplies:*

Membrane filter kits with filters and media.
Chlorine and pH determination equipment.

4. *Sanitation Equipment:*

Hand sprayer, continuous type.
Hand sprayer, compression type.
Hand duster, plunger type.
Spraying equipment for use with helicopter, fixed-wing light aircraft, high-speed fixed-wing attack aircraft, and cargo-type aircraft.

VI. EMERGENCY HOUSING AND CONSTRUCTION MATERIALS AND EQUIPMENT

Group A

Asphalt and tar roofing and siding products.
Builders hardware—hinges, locks, handles, etc.
Building board, including insulating board, laminated fiberboard, hardpressed fiberboard, gypsum board, and asbestos cement (flat sheets and wallboard).
Building papers.
Plastic patching, couplings, clamps, etc. for emergency repairs.
Plumbing fixtures and fittings.
Prefabricated emergency housing.
Rough hardware—nails, bolts, screws, etc.
Sewer pipe and fittings.
Tents and tarpaulins; canvas, plastics, and other similar materials.
Lumber and allied products; Lumber, principally 1-inch and 2-inch, minor quantities of small and large timbers; siding and flooring; plywood; millwork, doors, and windows.

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Masonry products—brick, cement, lime, concrete block, hollow tile, etc.
Translucent window coverings.
Water pipe and hose, plus fittings—all types including fire hose.

Group B

None.

VII. GENERAL USE ITEMS

Group A

None.

Group B

Batteries, wet and dry cell.
Bulldozers.
Fire fighting equipment.
Light equipment and hand tools (including electric powered) for carpentry, masonry, plumbing, and excavation.
Pipe installation materials and equipment.
Refrigerators, mechanical.
Rigging tools—cables, ropes, tackles, hoists, etc.
Tank railroad cars.
Tank Trucks and trailers.
Tires.
Trenching equipment.
Truck tractors and trailers, including low bed.
Trucks up to five tons (25 percent equipped with power takeoff).
Welding equipment and supplies (electric and acetylene).

PART 324—NATIONAL SECURITY POLICY GOVERNING SCIENTIFIC AND ENGINEERING MANPOWER (DMO-5)

Sec.

324.1 Purpose.

324.2 Background.

324.3 Policy.

324.4 Action.

AUTHORITY: National Security Act of 1947, as amended, 50 U.S.C. 404; Defense Production Act of 1950, as amended, 50 U.S.C. app. 2061 *et seq.*; Reorganization Plan No. 3 of 1978, 3 CFR, 1978 Comp., p. 329; E.O. 12148 of July 20, 1979, 44 FR 43239.

SOURCE: 45 FR 44582, July 1, 1980, unless otherwise noted.

§ 324.1 Purpose.

This part provides current policy on the training and utilization of scientific and engineering manpower as it affects the national security.

§ 324.2 Background.

(a) The essential role of scientific and engineering manpower in any period of national emergency is well recognized. While the quantity and quality of scientific and engineering manpower are materially influenced by Government action, the development and use of such manpower are greatly dependent upon policies and actions of the private sector.

(b) Since the issuance of Defense Manpower Policy 8, many steps have been taken by the Government and the private sector to assure the adequacy of scientific and engineering manpower for total national security. This statement of current Government policy is intended to continue the constructive policies and actions already in being and to assure the adequacy of this important national resource during a major emergency.

§ 324.3 Policy.

It is the policy of the Federal Government to project the Nation's scientific and engineering manpower requirements sufficiently into the future to permit long-range planning; to relate those requirements to other resource requirements, including requirements for other manpower skills; to relate peacetime and emergency requirements; and to cooperate with educators, industry, professional societies, and employee associations to:

(a) Support training and education programs which enhance our national security through the development of defense related skills.

(b) Stimulate individuals with scientific and technical aptitudes to attain the highest level of formal education in science and technology for which they are capable.

(c) Stress basic principles and fundamentals of science and technology in educational curricula.

(d) Offer significant on-the-job training which will broaden the experience and capabilities of individual scientists and engineers.

(e) Provide realistic retraining opportunities which will assist in updating the knowledge and skills of scientists and engineers.